


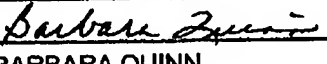
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/584,484	
	Filing Date	to be assigned	
	First Named Inventor	Karl BRANDER	
	Art Unit	to be assigned	
	Examiner Name	to be assigned	
Total Number of Pages In This Submission	13	Attorney Docket Number	2003P18385WOUS

RECEIVED
CENTRAL FAX CENTER

MAY 07 2007

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form (1 pg.) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Recordation Form Cover Sheet (1 pg.) <input checked="" type="checkbox"/> Executed Assignment (2 pgs.) <input checked="" type="checkbox"/> Executed Declaration (4 pgs.) <input type="checkbox"/> Specification (clean version) <input type="checkbox"/> Specification (with markups) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Other Endorsement(s) (please identify below): <p>See below</p>
Remarks - Additional Name and Address of Receiving Party (1 pg.) - Notification of Missing Requirements (copy, 2 pgs.)		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm	SIEMENS	
Signature		
Printed Name	JOHN P. MUSONE	
Date	May 7, 2007	Reg. No. 44,961

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	BARBARA QUINN	Date	May 7, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

SIEMENS

FACSIMILE COVER SHEET

**RECEIVED
CENTRAL FAX CENTER**

MAY 07 2007

In the UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Karl BRANDER

Application No. 10/584,484

Attorney Docket No. 2003P18385WOUS

Filed: to be assigned

Title: AN ASSAY CHIP, AND USES OF SAID ASSAY CHIP TO DETERMINE MOLECULAR
STRUCTURES AND FUNCTIONS

Examiner: to be assigned

Art Unit: to be assigned

FACSIMILE ATTN TO: Mail Stop Missing Parts FAX NO.: (571) 273 8300

REPLY TO NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office on
May 7, 2007



Barbara Quinn

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

This facsimile cover sheet which includes a Certificate of Transmission under 37 CFR 1.8 (1 pg)
PTO/SB/21 Transmittal Form (1 pg.)
Notice to file Missing Parts of Nonprovisional Application (US PTO copy, 2 pgs.)
Fee Transmittal (1 pg.)
Recordation Form Cover Sheet (1 pg.)
Additional Name and Address of Receiving Party (1 pg.)
Executed Assignment (2 pgs.)
Executed Declaration (4 pgs.)

Number of pages being transmitted (including this cover sheet): 13 pgs.

The information contained in this facsimile message may contain attorney privileged and confidential information intended only for the use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone, and return the original message to us. Thank you.

Siemens Corporation

Legal and Intellectual Property
Department

4400 Alafaya Trail
Orlando Florida 32826

Tel: 407-736-2472
FAX: 407-736-6440



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1420
Alexandria, Virginia 22313-1420
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/584,484	Karl Brander	2003P18385WOUS

28204
SIEMENS SCHWEIZ AG
I-47, INTELLECTUAL PROPERTY
ALBISRIEDERSTRASSE 245
ZURICH, CH-8047
SWITZERLAND

INTERNATIONAL APPLICATION NO.

PCT/EP04/12925

IA FILING DATE	PRIORITY DATE
----------------	---------------

11/15/2004

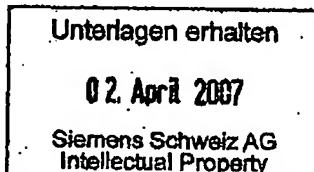
12/23/2003

CONFIRMATION NO. 3058

371 FORMALITIES LETTER



OC00000023121627



Date Mailed: 03/27/2007

Handwritten: 27/5/07 EB

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/23/2006
- Copy of the International Search Report filed on 06/23/2006
- Copy of IPE Report filed on 06/23/2006
- Preliminary Amendments filed on 06/23/2006
- Information Disclosure Statements filed on 06/23/2006
- U.S. Basic National Fees filed on 06/23/2006
- Priority Documents filed on 06/23/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the international application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.138(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

CHARITTA A BURT

Telephone: (703) 308-9140 EXT 207

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/584,484	PCT/EP04/12925	2003P18385WOUS

FORM PCT/DO/EO/905 (371 Formalities Notice)

MAY. 7. 2007 11:54AM

407-736-6440

**RECEIVED
CENTRAL FAX CENTER**

NO. 6624 P. 5

MAY 07 2007

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2008. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

-130.00-

Complete if Known

Application Number	10/584,484
Filing Date	to be assigned
First Named Inventor	Karl BRANDER
Examiner Name	to be assigned
Art Unit	to be assigned
Attorney Docket No.	2003P18385WOUS

METHOD OF PAYMENT (check all that apply)
☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 502464 Deposit Account Name: Siemens Schweiz AG

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below☒ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
---------------------	---------------------	-----------------	----------------------

- 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
----------------------	---------------------	-----------------	----------------------

- 3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
---------------------	---------------------	---	-----------------	----------------------

- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): -\$130.00- for late submission of declaration under 37 CFR 1.492(h)

Fees Paid (\$)

-130.00-

SUBMITTED BY

Signature

Name (Print/Type) John P. Musone

Registration No. 44,981
(Attorney/Agent)

05/09/2007 P. FREY 407 788 828 53 582484

18584484

01 FC: [Date May 7, 2007, 10:00 AM]

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ADDITIONAL NAME AND ADDRESS OF RECEIVING PARTY

Name:	Lelster Process Technologies
Street Address:	Riedstrasse
City:	Sarnen
Zip:	CH-6080
Country:	Switzerland

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

Louis Tiefenauer
residing at:
Stelacherweg 24
CH-5312 Doettingen
(Switzerland)

Karl Brander
residing at:
Stampflstrasse 8
CH-4629 Fulenbach
(Switzerland)

hereby sell, assign, and transfer to

Paul Scherrer Institut

a Swiss corporation organized and existing under the laws of Switzerland, having its principal place of business in Zurich, Switzerland, and

Lelster Process Technologies

a Swiss corporation organized and existing under the laws of Switzerland, having its principal place of business in Samen, Switzerland,

herein the "Assignees", their successors, assigns and legal representatives the entire and exclusive right, title and interest in and for the United States, in all and to any improvements in the

(Title:) **AN ASSAY CHIP, AND USES OF SAID ASSAY CHIP TO DETERMINE MOLECULAR STRUCTURES AND FUNCTIONS**

disclosed in the application for Letters Patent designating the United States, said application being identified in our records as

Applicants File No.

2003P18385WOUS

Priority of European Patent Application No.

03 029 726.1

US-Patent Application No.

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements;

hereby agree that said Assignees may apply for and receive Letters Patent for said improvements in their own names and that when requested without charge to but at the expense of said Assignees, their successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and

IDNR: 2589 / V: 89-1.00 / B: Val

all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignees, their successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignees, their successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignees, their successors, assigns, and legal representatives; and

hereby covenant with said Assignees, their successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: June 23, 2006

L. Tiefenauer
Louis Tiefenauer

Witnesses: L. W. Waldert RENE WALTHER
(type name)

Witnesses: R. Rudolph Robert Rudolph
(type name)

Date: June 23, 2006

K. Brander
Karl Brander

Witnesses: L. W. Waldert RENE WALTHER
(type name)

Witnesses: R. Rudolph Robert Rudolph
(type name)